



EXPRESS MAIL NO. EV335608245US

**TRANSMITTAL  
FORM**(To be used for all correspondence  
after initial filing)

Application Number	10/000,467
Filing Date	October 24, 2001
First Named Inventor	Jeffrey Van Ness
Art Unit	1637
Examiner Name	Jezia Riley
Attorney Docket No.	780068.418C3

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> CD(s), Number of CD(s) _____
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Declaration	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Second Supplemental Information Disclosure Statement; Form PTO-1449	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input checked="" type="checkbox"/> 2 Cited References	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	_____
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53		_____
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		_____

Remarks**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Individual Name	Qing Lin, Ph.D. Reg. No. 53,937	Customer Number <b>00500</b>
Signature		
Date	May 18, 2004	

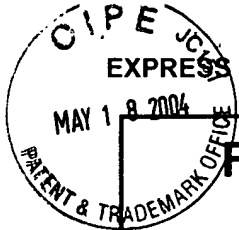
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name		
Signature		Date:

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EXPRESS MAIL NO. EV335608245US

**FEE TRANSMITTAL  
for FY 2004**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.**TOTAL AMOUNT OF PAYMENT (\$)** **180.00**

Complete if Known

Application Number	10/000,467
Filing Date	October 24, 2001
First Named Inventor	Jeffrey Van Ness
Examiner Name	Jezia Riley
Art Unit	1637
Attorney Docket No.	780068.418C3

**METHOD OF PAYMENT**

☒ Payment Enclosed:  
☒ Check ☐ Credit card ☐ Money Order ☐ Other

☐ Deposit Account:  
Deposit Account Number: **19-1090**  
Deposit Account Name: **Seed Intellectual Property Law Group PLLC**

The Director is authorized to (check all that apply)  
☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any deficiencies  
to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	Extra Claims	Fee from below	Fee Paid
Total Claims			
Independent Claims			
Multiple Dependent			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2520	1812	2520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1480	2254	740	Extension for reply within fourth month	
1255	2010	2255	1005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1510	1451	1510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1330	2453	665	Petition to revive - unintentional	
1501	1330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

180.00

**SUBMITTED BY**

Name (Print/Type)	<b>Qing Lin, Ph.D.</b>	Registration No. Attorney/Agent	<b>53,937</b>
Signature		Date	<b>May 18, 2004</b>

Customer Number

00500

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

V483267



EXPRESS MAIL NO. EV335608245US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Jeffrey Van Ness et al.  
Application No. : 10/000,467  
Filed : October 24, 2001  
For : METHODS AND COMPOSITIONS FOR ENHANCING  
SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED  
ASSAYS

Examiner : Jezia Riley  
Art Unit : 1645  
Docket No. : 780068.418C3  
Date : May 18, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449 (copies of the cited references are enclosed). As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

05/20/2004 CCHAU1 00000102 10000467

01 FC:1806

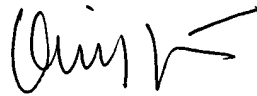
180.00 DP

Please acknowledge receipt of this Second Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC



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Qing Lin, Ph.D.

Registration No. 53,937

QXL:ljt

Enclosures:

- Postcard
- Check for \$180
- Transmittal Form
- Fee Transmittal Form (+ Copy)
- Form PTO-1449
- Cited References (2)

701 Fifth Avenue, Suite 6300  
Seattle, Washington 98104-7092  
Phone: (206) 622-4900  
Fax: (206) 682-6031

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FORM PTO-1449

(REV. 7-80)

MAY 18 2004

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

780068.418C3

APPLICATION NO.

10/000,467

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Jeffrey Van Ness et al.

FILING DATE

October 24, 2001

GROUP ART UNIT

1637

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK					
	AL					
	AM					
	AN					
	AO					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AP	Abdel-Baky, S. et al., "Detection of Electrophore-Labeled DNA and Albumin by Gas Chromatography: Labile Amide Electrophoric Release Tags," <i>Anal. Chem.</i> 65: 498-499, 1993.
	AQ	Eggers and Ehrlich, "A Review of Microfabricated Devices for Gene-Based Diagnostics," <i>Hematologic Pathology</i> 9(1): 1-15, 1995.
	AR	

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).